

Please replace the paragraph beginning on line 35 of page 4 with the following rewritten paragraph:

Each communication is comprised of the three following time elements:

Please replace the paragraph beginning on line 14 of page 5 with the following rewritten paragraph:

For the radio travel operations application, the multiplexing via the gateway computer is completely transparent; i.e. it is not visible which path is being used to forward the link. The telegrams do not differ at the interface to the secure application from telegrams which are forwarded directly (without the detour via the gateway computer) to a route element.

On page 6, line 1, please replace "Patent Claims" with --WHAT IS CLAIMED IS--.

**In the Claims:**

1. (Amended) A communication system for radio travel operations for making radio transmissions of data transmitted in multiplex mode, using at least one gateway computer, wherein the radio links for the transmission of data between vehicles, route elements and a control center are set up via the gateway computer.
2. (Amended) The communication system for radio travel operations as claimed in claim 1, wherein the vehicles and the route elements are equipped with radio terminals, and the radio terminals also include line-bound communications terminals.
3. (Amended) The communication system for radio travel operations as claimed in claim 1, wherein the vehicles are trains and the route elements are railway switches, track locks, key locks, block or level crossings.

4. (Amended) The communication system for radio travel operations as claimed in claim 1, wherein communication between a plurality of trains and a route element is provided.

5. (New) A method of communicating using multiplexed data radio transmission comprising:

transmitting the data in radio links between vehicles, route elements and a control center via at least one gateway computer.

**In the Abstract:**

Please replace the Abstract in its entirety with the Abstract attached hereto.